

MARICOPA COUNTY
AIR QUALITY DEPARTMENT

2021

ANNUAL REPORT

JULY 1, 2020 - JUNE 30, 2021



Working to improve the air of
Maricopa County so customers, residents,
and visitors can live, work, and play in
a healthy environment.

AIR MONITORING



55
AIR
MONITORS

Total number of monitoring sites located across Maricopa County. In FY2021, monitors captured 18,852 readings per day.



86%
GOOD AIR DAYS

Maricopa County's air quality met the federal health standard for pollutants 315 days out of the fiscal year.

FINANCE

The department is primarily funded by permit fees and federal grants, and receives secondary sources of funding through the County's general fund, penalties, and donations.

FY2021 operating expenses were below budget, and revenue exceeded the budget due to the continued careful planning and stewardship of department resources.

\$19,859,000

FUNDING SOURCES



PERMIT FEES (66.43%)

GRANTS (20.24%)

TRAINING AND OTHER (4.13%)

FINES (1.31%)

DONATIONS (2.39%)

GENERAL FUND (5.50%)

PERMITS

FY2020 | FY2021

3,678 | 4,317 DUST CONTROL PERMITS ISSUED

874 | 1,301 ASBESTOS NOTIFICATIONS

3,157 | 3,150 SUBCONTRACTOR REGISTRATIONS

886 | 344 GENERAL PERMIT ATOs* ISSUED

412 | 340 NON-TITLE V PERMIT ACTIONS

10 | 13 TITLE V PERMIT ACTIONS

*ATOs=Authorities to Operate



602

EMISSIONS INVENTORIES

An emissions inventory shows annual air pollutant emissions for one specific business location. 517 original submissions and 85 revisions were submitted during FY2021.

RULES



242 POLICIES
DECOMMISSIONED

In FY2021, in order to better serve our customers, 242 internal and external facing policies were decommissioned during a policy clean-up project.

3 SUBSTANTIVE POLICY
STATEMENTS ISSUED

21 STANDARD OPERATING
PROCEDURES ISSUED



12 RULES
ADOPTED

Rules were revised for clarity, to remedy EPA deficiencies, and to provide updated compliance requirements.

Rules 322, 323, 324, 350, 351, 352, 353
Ordinance P-7

Incorporation by Reference
(Rules 360, 370, 371, and Appendix G)

COMPLIANCE

The Compliance and Enforcement Division is responsible for inspecting facilities to determine compliance with applicable regulations and permit conditions.

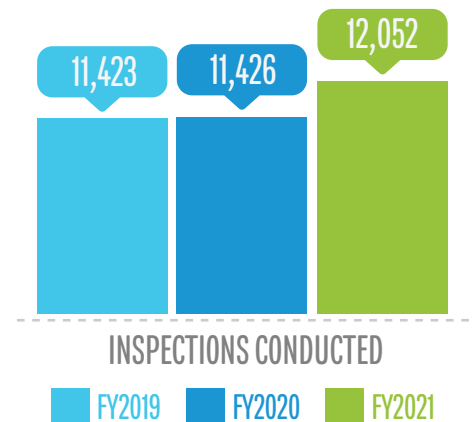
FACILITIES FOUND IN COMPLIANCE



4,853
PEOPLE TRAINED

Learning Cart, an online learning platform, was launched to provide dust control training.

FACILITY INSPECTIONS



TRAVEL REDUCTION PROGRAM

1,159

PARTICIPATING EMPLOYERS

AT **3,453** WORK AND SCHOOL SITES

TOTAL PARTICIPANTS INCLUDED



762,568
EMPLOYEES



291,862
STUDENTS



7,465,975

DAILY
COMMUTING

MILES REDUCED



PREVENTED
9,614
TONS OF POLLUTION

994,573

SURVEYED EMPLOYEES AND
DRIVING-AGED
STUDENTS



OUTREACH

96%
CUSTOMER
SERVICE



687 out of 755
customers rated their overall
experience with the department
OUTSTANDING and 39 rated their
experience **GOOD**.



7,335
PEOPLE REACHED*

*Outreach data have been
impacted by COVID-19 restrictions
on in-person gatherings.

INDIVIDUALS REACHED THROUGH
INTERACTIONS AT KIOSK LOCATIONS

43 EVENTS AND
44 PRESENTATIONS



2,104
STUDENTS REACHED

NUMBER OF STUDENTS REACHED THROUGH

73 VIRTUAL CLASSROOM VISITS

AT **39** SCHOOLS WITHIN

13 DISTRICTS AND PARTNERSHIPS

55,024

HOUSEHOLDS RECEIVED
AIR QUALITY INFORMATION
THROUGH THE CITY OF GLENDALE
DIRECT MAIL CALENDAR

SOCIAL MEDIA IMPRESSIONS



NEXTDOOR 16,919,210

FACEBOOK 263,070

TWITTER 214,600

INSTAGRAM 11,155



56,268

TOTAL APP DOWNLOADS

An increase of 4,368
downloads from FY2020

BUSINESS ASSISTANCE

BUSINESS ASSISTANCE
PROGRAM STAFF COMPLETED



21 COURTESY SITE VISITS
AND **2** CASE REVIEWS

INDUSTRY BI-ANNUAL NEWSLETTER SENT TO OVER

13,000
STAKEHOLDERS



RECORDS



1,576
RECORDS REQUESTS



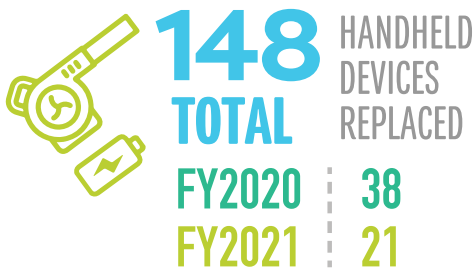
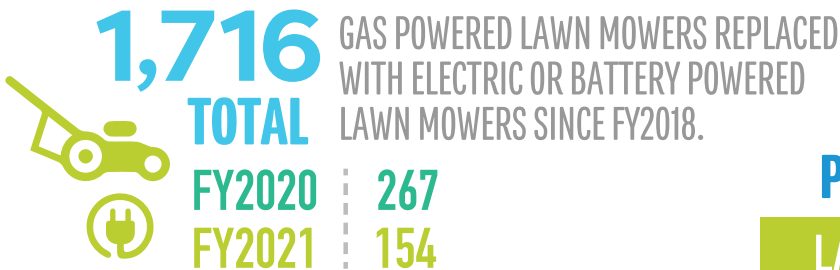
50
PUBLIC NOTICES



3
PUBLIC HEARINGS

AIR POLLUTION REDUCTION PROGRAMS

MOWING DOWN POLLUTION



POLLUTION PREVENTED (IN TONS)

	LAWN MOWERS		HANDHELD DEVICES	
	CO	VOCs	CO	VOCs
FY2020	37.80	2.62	1.78	0.80
FY2021	21.67	1.49	0.74	0.34
TOTAL SINCE FY2018	244.00	16.89	5.34	2.44

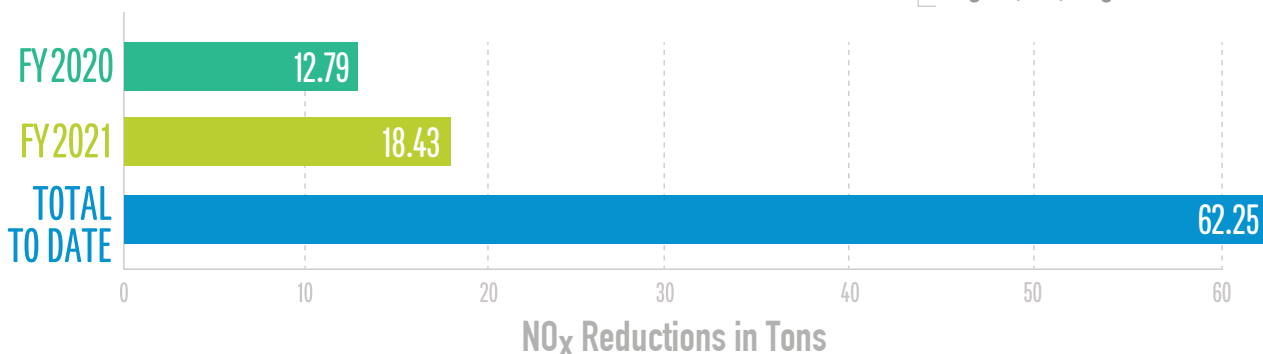
CO = carbon monoxide VOCs = volatile organic compounds

DIESEL EMISSIONS REDUCTION ACT (DERA)



TOTAL LIFETIME NO_x REDUCTIONS BY YEAR

NO_x = nitrogen oxide



with cleaner burning diesel fuel engines, liquefied petroleum gas (LPG) engines, compressed natural gas (CNG) engines, or electric engines.

62.25
TONS
of NO_x

Reduced from
FY2016 - FY2021

PROPANE FIRE PIT PROGRAM



3,978

PROPANE FIRE PITS HAVE REDUCED
WOOD BURNING SINCE FY2018

PROPANE FIRE
PITS PURCHASED

FY2020
FY2021

1,002
986



11,934

POUNDS OF PM_{2.5} POLLUTION
REDUCED ANNUALLY*

FIREPLACE RETROFIT PROGRAM

TOTAL PM_{2.5} EMISSIONS IN LBS
PREVENTED SINCE RETROFIT*



12,275 lbs

Gas Log Sets



6,134 lbs

Air Pollution Reduction Devices

TOTAL

18,409 lbs

PM_{2.5} = particulate matter less than or equal to 2.5 microns

*The maximum fire pit and fireplace emissions prevented are based upon a resident's burning-habits survey, which contains a range of numbers.

832

TOTAL
RETROFITS

as of June 30, 2021



594

GAS LOG SETS INSTALLED



238

AIR POLLUTION
REDUCTION DEVICES
INSTALLED



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JULY 1, 2020 – JUNE 30, 2021

301 W. Jefferson St.
Suite 410
Phoenix, AZ 85003

602-506-6010
Air Quality Department main line

602-372-2703
Report an air quality concern

[Maricopa.gov/AQ](https://maricopa.gov/AQ)
CleanAirMakeMore.com